5J4D

PCT10

RAW SEQUENCE LISTING   DATE: 02/13/2002
PATENT APPLICATION: US/10/031,904 TIME: 07:30:49

Input Set : A:\ippf0726usn.app.txt
Output Set: N:\CRF3\02132002\J031904.raw

p5

ENTERED

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 5 <110> APPLICANT: INCYTE GENOMICS, INC.
 6       AU-YOUNG, Janice
 7       BANDMAN, Olga
 8       TANG, Y. Tom
 9       YUE, Henry
10       AZIMZAI, Yalda
11       BURFORD, Neil
12       BAUGHN, Mariah R.
13       LU, Dyung Aina M.
14       HILLMAN, Jennifer L.
15       PATTERSON, Chandra
16       LAL, Preeti
18 <120> TITLE OF INVENTION: RECEPTORS AND ASSOCIATED PROTEINS
20 <130> FILE REFERENCE: PF-0726 PCT
22 <140> CURRENT APPLICATION NUMBER: US/10/031,904
23 <141> CURRENT FILING DATE: 2002-01-18
25 <150> PRIOR APPLICATION NUMBER: 60/145,232; 60/158,578; 60/165,192
26 <151> PRIOR FILING DATE: 1999-07-21; 1999-10-07; 1999-11-12
28 <160> NUMBER OF SEQ ID NOS: 44
29 <170> SOFTWARE: PERL Program
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 411
33 <212> TYPE: PRT
34 <213> ORGANISM: Homo sapiens
36 <220> FEATURE:
37 <221> NAME/KEY: misc_feature
38 <223> OTHER INFORMATION: Incyte ID No: 209171CD1
40 <400> SEQUENCE: 1
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42   1                 5                  10                 15
43 Val Leu Pro Arg Pro Pro Ser Leu Ile Gln Asn Glu Cys Gly Gln
44                 20                 25                 30
45 Gly Glu Gln Ala Ser Glu Lys Asn Glu Cys Ile Ser Glu Asp Met
46                 35                 40                 45
47 Gly Asp Glu Asp Lys Glu Glu Arg Gln Glu Ser Arg Ala Ser Asp
48                 50                 55                 60
49 Trp His Ser Lys Thr Lys Asp Phe Gln Glu Ser Ser Ile Lys Ser
50                 65                 70                 75
51 Leu Lys Glu Lys Leu Leu Leu Glu Glu Glu Pro Thr Thr Ser His
52                 80                 85                 90
53 Gly Gln Ser Ser Gln Gly Ile Val Glu Glu Thr Ser Glu Glu Gly
54                 95                 100                105
55 Asn Ser Val Pro Ala Ser Gln Ser Val Ala Ala Leu Thr Ser Lys
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56                  110              115                120
57 Arg Ser Leu Val Leu Met Pro Glu Ser Ser Ala Glu Glu Ile Thr
58                  125              130                135
59 Val Cys Pro Glu Thr Gln Leu Ser Ser Ser Glu Thr Phe Asp Leu
60                  140              145                150
61 Glu Arg Glu Val Ser Pro Gly Ser Arg Asp Ile Leu Asp Gly Val
62                  155              160                165
63 Arg Ile Ile Met Ala Asp Lys Glu Val Gly Asn Lys Glu Asp Ala
64                  170              175                180
65 Glu Lys Glu Val Ala Ile Ser Thr Phe Ser Ser Ser Asn Gln Val
66                  185              190                195
67 Ser Cys Pro Leu Cys Asp Gln Cys Phe Pro Pro Thr Lys Ile Glu
68                  200              205                210
69 Arg His Ala Met Tyr Cys Asn Gly Leu Met Glu Glu Asp Thr Val
70                  215              220                225
71 Leu Thr Arg Arg Gln Lys Glu Ala Lys Thr Lys Ser Asp Ser Gly
72                  230                     235             240
73 Thr Ala Ala Gln Thr Ser Leu Asp Ile Asp Lys Asn Glu Lys Cys
74                  245                     250             255
75 Tyr Leu Cys Lys Ser Leu Val Pro Phe Arg Glu Tyr Gln Cys His
76                  260              265                270
77 Val Asp Ser Cys Leu Gln Leu Ala Lys Ala Asp Gln Gly Asp Gly
78                  275              280                285
79 Pro Glu Gly Ser Gly Arg Ala Cys Ser Thr Val Glu Gly Lys Trp
80                  290              295                300
81 Gln Gln Arg Leu Lys Asn Pro Lys Glu Lys Gly His Ser Glu Gly
82                  305              310                315
83 Arg Leu Leu Ser Phe Leu Glu Gln Ser Glu His Lys Thr Ser Asp
84                  320              325                330
85 Ala Asp Ile Lys Ser Ser Glu Thr Gly Ala Phe Arg Val Pro Ser
86                  335              340                345
87 Pro Gly Met Glu Glu Ala Gly Cys Ser Arg Glu Met Gln Ser Ser
88                  350              355                360
89 Phe Thr Arg Arg Asp Leu Asn Glu Ser Pro Val Lys Ser Phe Val
90                  365              370                375
91 Ser Ile Ser Glu Ala Thr Asp Cys Leu Val Asp Phe Lys Lys Gln
92                  380              385                390
93 Val Thr Val Gln Pro Gly Ser Arg Thr Arg Thr Lys Ala Gly Arg
94                  395              400                405
95 Gly Arg Arg Arg Lys Phe
96                  410
97 <210> SEQ ID NO: 2
98 <211> LENGTH: 579
99 <212> TYPE: PRT
100 <213> ORGANISM: Homo sapiens
102 <220> FEATURE:
103 <221> NAME/KEY: misc_feature
104 <223> OTHER INFORMATION: Incyte ID No: 945430CD1
106 <400> SEQUENCE: 2
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/031,904

Input Set : A:\ippf0726usn.app.txt
Output Set: N:\CRF3\02132002\J031904.raw

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107 Met Phe Phe Arg Val Phe Leu His Phe Ile Arg Ser His Ser Ala
108  1                5                   10              15
109 Thr Ala Val Asp Phe Leu Pro Val Met Val His Arg Leu Pro Val
110              20                  25                  30
111 Phe Lys Arg Tyr Met Gly Asn Thr Pro Gln Lys Lys Ala Val Phe
112              35                  40                  45
113 Gly Gln Cys Arg Gly Leu Pro Cys Val Ala Pro Leu Leu Thr Thr
114              50                  55                  60
115 Val Glu Glu Ala Pro Arg Gly Ile Ser Ala Arg Val Trp Gly His
116              65                  70                  75
117 Phe Pro Lys Trp Leu Asn Gly Ser Leu Leu Arg Ile Gly Pro Gly
118              80                  85                  90
119 Lys Phe Glu Phe Gly Lys Asp Lys Tyr Asn His Trp Phe Asp Gly
120              95                  100                 105
121 Met Ala Leu Leu His Gln Phe Arg Met Ala Lys Gly Thr Val Thr
122              110                 115                 120
123 Tyr Arg Ser Lys Phe Leu Gln Ser Asp Thr Tyr Lys Ala Asn Ser
124              125                 130                 135
125 Ala Lys Asn Arg Ile Val Ile Ser Glu Phe Gly Thr Leu Ala Leu
126              140                 145                 150
127 Pro Asp Pro Cys Lys Asn Val Phe Glu Arg Phe Met Ser Arg Phe
128              155                 160                 165
129 Glu Leu Pro Gly Lys Ala Ala Ala Met Thr Asp Asn Thr Asn Val
130              170                 175                 180
131 Asn Tyr Val Arg Tyr Lys Gly Asp Tyr Tyr Leu Cys Thr Glu Thr
132              185                 190                 195
133 Asn Phe Met Asn Lys Val Asp Ile Glu Thr Leu Glu Lys Thr Glu
134              200                 205                 210
135 Lys Val Asp Trp Ser Lys Phe Ile Ala Val Asn Gly Ala Thr Ala
136              215                 220                 225
137 His Pro His Tyr Asp Pro Asp Gly Thr Ala Tyr Asn Met Gly Asn
138              230                 235                 240
139 Ser Phe Gly Pro Tyr Gly Phe Ser Tyr Lys Val Ile Arg Val Pro
140              245                 250                 255
141 Pro Glu Lys Val Asp Leu Gly Glu Thr Ile His Gly Val Gln Val
142              260                 265                 270
143 Ile Cys Ser Ile Ala Ser Thr Glu Lys Gly Lys Pro Ser Tyr Tyr
144              275                 280                 285
145 His Ser Phe Gly Met Thr Arg Asn Tyr Ile Ile Phe Ile Glu Gln
146              290                 295                 300
147 Pro Leu Lys Met Asn Leu Trp Lys Ile Ala Thr Ser Lys Ile Arg
148              305                 310                 315
149 Gly Lys Ala Phe Ser Asp Gly Ile Ser Trp Glu Pro Gln Cys Asn
150              320                 325                 330
151 Thr Arg Phe His Val Val Glu Lys Arg Thr Gly Gln Leu Leu Pro
152              335                 340                 345
153 Gly Arg Tyr Tyr Ser Lys Pro Phe Val Thr Phe His Gln Ile Asn
154              350                 355                 360
155 Ala Phe Glu Asp Gln Gly Cys Val Ile Ile Asp Leu Cys Ser Gln
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/031,904

DATE: 02/13/2002
TIME: 07:30:49

Input Set : A:\ippf0726usn.app.txt
Output Set: N:\CRF3\02132002\J031904.raw

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156                   365             370             375
157 Asp Asn Gly Arg Thr Leu Glu Val Tyr Gln Leu Gln Asn Leu Arg
158                   380             385             390
159 Lys Ala Gly Glu Gly Leu Asp Gln Val His Asn Ser Ala Ala Lys
160                   395             400             405
161 Ser Phe Pro Arg Arg Phe Val Leu Pro Leu Asn Val Ser Leu Asn
162                   410             415             420
163 Ala Pro Glu Gly Asp Asn Leu Ser Pro Leu Ser Tyr Thr Ser Ala
164                   425             430             435
165 Ser Ala Val Lys Gln Ala Asp Gly Thr Ile Trp Cys Ser His Glu
166                   440             445             450
167 Asn Leu His Gln Glu Asp Leu Glu Lys Glu Gly Gly Ile Glu Phe
168                   455             460             465
169 Pro Gln Ile Tyr Tyr Asp Arg Phe Ser Gly Lys Lys Tyr His Phe
170                   470             475             480
171 Phe Tyr Gly Cys Gly Phe Arg His Leu Val Gly Asp Ser Leu Ile
172                   485             490             495
173 Lys Val Asp Val Val Asn Lys Thr Leu Lys Val Trp Arg Glu Asp
174                   500             505             510
175 Gly Phe Tyr Pro Ser Glu Pro Val Phe Val Pro Ala Pro Gly Thr
176                   515             520             525
177 Asn Glu Glu Asp Gly Gly Val Ile Leu Ser Val Val Ile Thr Pro
178                   530             535             540
179 Asn Gln Asn Glu Ser Asn Phe Leu Leu Val Leu Asp Ala Lys Asn
180                   545             550             555
181 Phe Glu Glu Leu Gly Arg Ala Glu Val Pro Val Gln Met Pro Tyr
182                   560             565             570
183 Gly Phe His Gly Thr Phe Ile Pro Ile
184                   575
185 <210> SEQ ID NO: 3
186 <211> LENGTH: 370
187 <212> TYPE: PRT
188 <213> ORGANISM: Homo sapiens
190 <220> FEATURE:
191 <221> NAME/KEY: misc_feature
192 <223> OTHER INFORMATION: Incyte ID No: 1305513CD1
194 <400> SEQUENCE: 3
195 Met Ala Asn Tyr Ser His Ala Ala Asp Asn Ile Leu Gln Asn Leu
196   1           5               10              15
197 Ser Pro Leu Thr Ala Phe Leu Lys Leu Thr Ser Leu Gly Phe Ile
198                   20              25              30
199 Ile Gly Val Ser Val Val Gly Asn Leu Leu Ile Ser Ile Leu Leu
200                   35              40              45
201 Val Lys Asp Lys Thr Leu His Arg Ala Pro Tyr Tyr Phe Leu Leu
202                   50              55              60
203 Asp Leu Cys Cys Ser Asp Ile Leu Arg Ser Ala Ile Cys Phe Pro
204                   65              70              75
205 Phe Val Phe Asn Ser Val Lys Asn Gly Ser Thr Trp Thr Tyr Gly
206                   80              85              90
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Input Set : A:\ippf0726usn.app.txt
Output Set: N:\CRF3\02132002\J031904.raw

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207 Thr Leu Thr Cys Lys Val Ile Ala Phe Leu Gly Val Leu Ser Cys
208               95                100                105
209 Phe His Thr Ala Phe Met Leu Phe Cys Ile Ser Val Thr Arg Tyr
210               110               115                120
211 Leu Ala Ile Ala His His Arg Phe Tyr Thr Lys Arg Leu Thr Phe
212               125               130                135
213 Trp Thr Cys Leu Ala Val Ile Cys Met Val Trp Thr Leu Ser Val
214               140               145                150
215 Ala Met Ala Phe Pro Pro Val Leu Asp Val Gly Thr Tyr Ser Phe
216               155               160                165
217 Ile Arg Glu Lys Asp Gln Cys Thr Phe Gln His Arg Ser Phe Arg
218               170               175                180
219 Ala Asn Asp Ser Leu Gly Phe Met Leu Leu Leu Ala Leu Ile Leu
220               185               190                195
221 Leu Ala Thr Gln Leu Val Tyr Leu Lys Leu Ile Phe Phe Val His
222               200               205                210
223 Asp Arg Arg Lys Met Lys Pro Val Gln Phe Val Ala Ala Val Ser
224               215               220                225
225 Gln Asn Trp Thr Phe His Gly Pro Gly Ala Ser Gly Gln Ala Ala
226               230               235                240
227 Ala Asn Trp Leu Ala Gly Phe Gly Arg Gly Pro Thr Pro Pro Thr
228               245               250                255
229 Leu Leu Gly Ile Arg Gln Asn Ala Asn Thr Thr Gly Arg Arg Arg
230               260               265                270
231 Leu Leu Val Leu Asp Glu Phe Lys Met Glu Lys Arg Ile Ser Arg
232               275               280                285
233 Met Phe Tyr Ile Met Thr Phe Leu Phe Leu Thr Leu Trp Gly Pro
234               290               295                300
235 Tyr Leu Val Ala Cys Tyr Trp Arg Val Phe Ala Arg Gly Pro Val
236               305               310                315
237 Val Pro Gly Gly Phe Leu Thr Ala Ala Val Trp Met Ser Phe Ala
238               320               325                330
239 Gln Ala Gly Ile Asn Pro Phe Val Cys Ile Phe Ser Asn Arg Glu
240               335               340                345
241 Leu Arg Arg Cys Phe Ser Thr Thr Leu Leu Tyr Cys Arg Lys Ser
242               350               355                360
243 Arg Leu Pro Arg Glu Pro Tyr Cys Val Ile
244               365               370
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245 <210> SEQ ID NO: 4
246 <211> LENGTH: 267
247 <212> TYPE: PRT
248 <213> ORGANISM: Homo sapiens
250 <220> FEATURE:
251 <221> NAME/KEY: misc_feature
252 <223> OTHER INFORMATION: Incyte ID No: 1876283CD1
254 <400> SEQUENCE: 4
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257 Gly His Thr Val Leu Thr Trp Gly Ile Thr Leu Val Leu Phe Leu
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VERIFICATION SUMMARY   DATE: 02/13/2002
PATENT APPLICATION: US/10/031,904   TIME: 07:30:50

            Input Set : A:\ippf0726usn.app.txt
            Output Set: N:\CRF3\02132002\J031904.raw

L:22 M:270 C: Current Application Number differs, Replaced Current Application Number
L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:26 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:1652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:1653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27